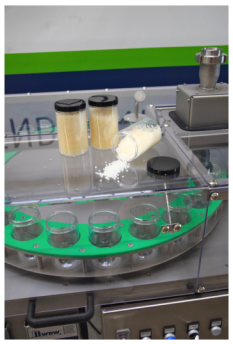
WDW®
WAAGEN- UND DOSIERTECHNIK



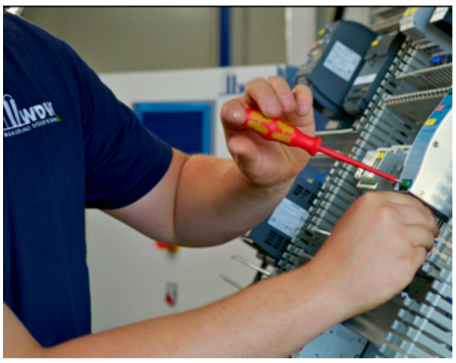






SAMPLING SYSTEMS

- PN 180 sampler
- PN Flow sampler
- Manual sampler
- WDW EasyCollect sample filling system
- WDW RotateCollect sample magazine
- WDW GripCollect sample magazine







WDW AT A GLANCE

WDW Waagen- und Dosiertechnik GmbH has been developing innovative and user-friendly solutions in the fields of weighing and dosing technology, sampling and special machine construction since 1995.

Product development is increasingly focused on the automation of manual processes in the feed and food industry. With its customisable systems, including high-precision differential weighing systems and fully automatic sample filling systems, WDW enables its customers to achieve significant efficiency gains.

The WDW team designs, manufactures and assembles systems in close consultation with its customers according to individual requirements profiles. The company also carries out calibration preparations, maintenance and servicing of its own and third-party products, as well as repairs.

WDW sells its products and services in Germany and Europe. Through its partner company BDW, projects involving WDW components and systems are also implemented worldwide.

PRODUCTS & SERVICES:

- Weighing systems
- Sampling systems
- Filling systems
- Special machine construction
- Control technology
- Planning Production
- Assembly
- Commissioning
- Calibration
- Verification service
- Maintenance
- Repair

For more information please visit:
www.wdw-vechta.de

or in person:
Tel.: 04441/917277-0







PN 180 SAMPLER

The PN 180 sampler enables manual or automatic sampling. Over 20 years of experience in the field of sampling have gone into the development of the PN 180. The sampler therefore offers decisive flexibility in terms of installation position, defined quantity and sampling point.

Unlike conventional samplers, the sample quantity is taken using a drawer made of POM plastic. This has particularly good sliding properties and is food-safe. A defined quantity of approx. 180 ml is taken per stroke, depending on the product and requirements.

Advantages:

- Manual or automatic sampling
- Suitable for fine to coarse-grained bulk materials
- Sampling from containers, downpipes, silos, transfer points, hoppers and much more
- Continuous sampling and flexibly adjustable pulse and pause times
- Air cleaning ensures complete emptying, thereby minimising carryover
- Small installation dimensions
- Food-safe POM plastic (FDA grade)
- Very high functionality and service life
- Easy to maintain and clean thanks to bayonet lock

Options:

- Electropolished material finish
- Drawer design with pointed cone for upright products
- Assembly kit for easy self-assembly
- Sampling into containers, bags or connection to fully automatic sample filling system
- Sample buffer for simultaneous collection of multiple samples

Carryover behaviour tested by the DIL German Institute of Food Technology.
Result: Carryover not detectable.
DIL report 2767 dated 2 June 2020.







PN FLOW SAMPLER

The PN Flow sampler enables manual or automatic sampling from containers, downpipes, silos or hoppers. The PN Flow has a particularly powerful cylinder, which also enables withdrawal from stationary product. For the withdrawal process, the drawer moves into the product flow. The quantity is defined by time or an optional ball valve.

Advantages:

- Manual or automatic sampling from containers, downpipes, silos or hoppers
- Suitable for fine to coarse-grained bulk materials
- No wearing parts in the material flow
- Simple and reliable operation, long service life in industrial use
- Very high functionality and service life
- Continuous sampling and flexibly adjustable pulse and pause times

Options:

- Sampling into vessels, bags or connection to fully automatic sample filling system
- Sample buffer for simultaneous collection of multiple samples
- Quantity definition
- Air purge
- Manual valve with bag clamp

MANUAL SAMPLER

The manual sampler offers a simple way to take samples from the product flow without the operator having to reach into the product stream. The sampler can be used for floury and the operator determines the required sample quantity by activating the sampler.

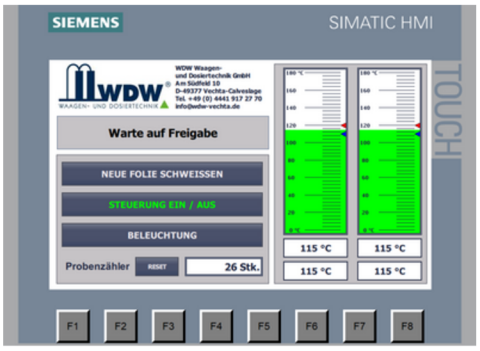
Advantages:

- Cost-effective and quick to set up
- Customised sample quantities
- Can be filled into various containers
- Low maintenance and minimal carryover

Options:

- Bucket holder









AUTOMATIC SAMPLE FILLING MACHINE WDW EASYCOLLECT

The WDW EasyCollect sample filling system is used for the fully automatic filling, sealing and labelling of samples and retention samples in the food, feed and chemical industries. The system can produce tear-resistant and tamper-proof sample bags from any granular or powdery bulk material using a sampler.

Depending on the content and quantity, it is possible to produce over 200 samples per day. Depending on requirements, individual or multiple samples can be taken per batch and optionally pre-sorted (e.g. for customers, laboratories or authorities).

Advantages:

- Over 200 samples can be taken per day
- Different bag lengths can be set or detected automatically
- Integration into on-site process control system
- Comprehensive enclosure to prevent sample contamination
- Multiple sampling per batch possible
- Film supply for approx. 60 - 80 bags, depending on bag length
- Manual triggering possible
- Can be combined with different samplers
- Minimal personnel required
- Enormous time savings
- Translated with DeepL.com (free version)

Options:

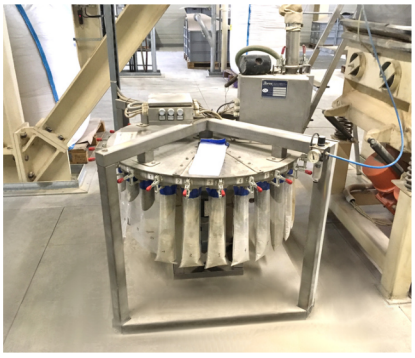
- Elevation for sample collection below the system
- Bag transport to the sample room/waiting room
- Sample sorting, e.g. 1) Customer 2) Laboratory 3) Authority
- Sample tube cleaning
- Hygiene roof
- Integration into the process control system as an I/O device
- Remote maintenance module
- Maintenance kit
- QR code scanner



Carry-over behaviour tested by the DIL German Institute of Food Technology

Result: no evidence of delay

DIL report 2768 dated 2 June 2020




SAMPLE MAGAZINE WDW GRIPCOLLECT

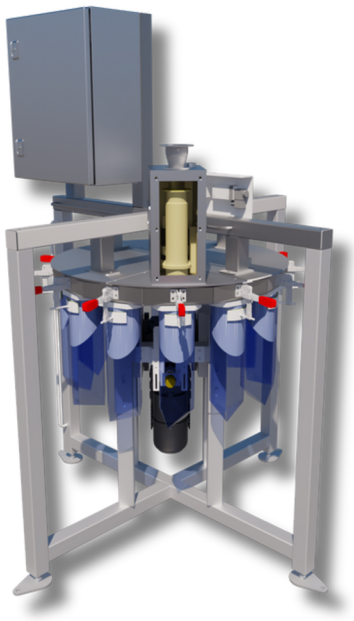
The sample magazine can hold up to 24 sample bags. An electro-pneumatic control system ensures automatic position change after a sample has been drawn, with feedback of the position number and operational readiness to the process control system. Continuous monitoring of the position and fill level is guaranteed. The sample collector can be moved to a new position or the home position in “manual mode” via the control display. The sample carousel is supplied complete with control system, monitoring, compressed air, and sampler connection.

Advantages:

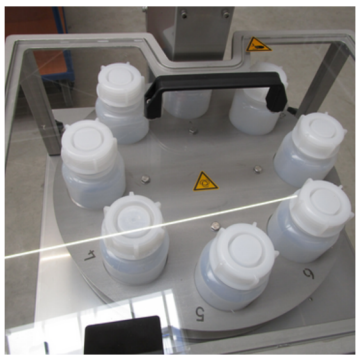
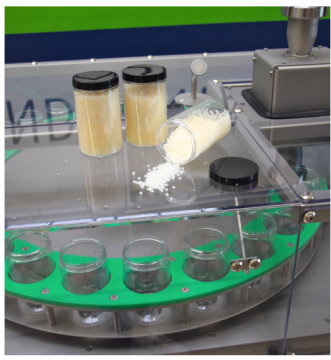
- Cost-effective, automated sampling option
- Storage of up to 24 samples
- Space-saving design, height-adjustable base
- Integration into the on-site process control system
- Manual operation possible
- Connection piece for aspiration
- Integrated control system
- Monitoring of compressed air and sample volume

Options:

- Variants with 12, 18, or 24 bags
- Available in S235 steel (painted) or V2A/V4A stainless steel (pickled or polished)





SAMPLE MAGAZINE WDW ROTATECOLLECT

The WDW RotateCollect sample magazine ensures effortless and safe filling of up to 18 samples and consists of a sturdy stainless steel construction. The sample volume and the collection container (bag or bottle) are designed according to requirements.

An electro-pneumatic control system ensures automatic position change after a sample has been drawn, with feedback to the process control system. This allows each sample to be identified precisely.

Advantages:

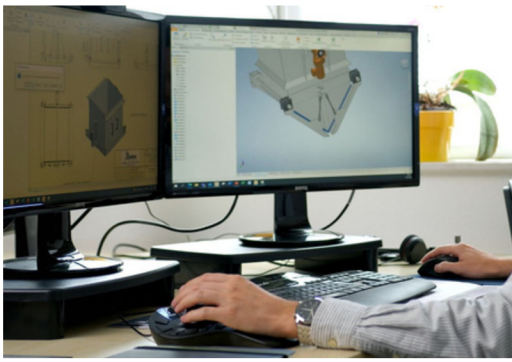
- Cost-effective, automated sampling option
- Space-saving design
- Integration into the on-site process control system
- Connection piece for aspiration
- Height-adjustable base
- Manual activation
- Can be combined with a wide variety of samplers

Options:

- Made of S235 steel (painted) or V2A/V4A stainless steel (pickled or polished)
- Pneumatic docking device to reduce dust emissions
- Version with bags or bottles
- Variant with 8, 12 or 18 bags/bottles
- Label printer
- Enclosure with top box







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